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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVII, No. 8 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — August, 1969

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August, 1969, averaged 120,482 barrels daily, a decrease of 2,424 barrels from the average July production of 122,906.

The nine refineries in the state processed 120,864 barrels of crude oil daily for the month of August, 1969, a decrease of 5,956 barrels from the 126,820 barrels processed daily during the month of July, 1969.

During August 79 wells were completed, 17 oil, 3 gas and 59 dry holes.

During August the commission issued 92 permits to drill new wells, an increase of 13 from the 79 permits issued during July.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF AUGUST, 1969

IN STORAGE AUGUST 1st	
By Producers	389,157
By Transporters	1,422,638
By Refiners	1,224,355
TOTAL STORAGE	3,036,150
Produced in Montana During Month	3,734,938
Imported During Month	2,973,183
TOTALS	9,744,271
DISPOSITION:	
Refined in Montana	3,746,799
Exported	3,443,591
Used for Fuel or Lost	(7,038)
TOTAL	7,183,352
IN STORAGE AUGUST 31st	
By Producers	380,177
By Transporters	1,242,471
By Refiners	938,271
TOTAL STORAGE	2,560,919

NATURAL GAS WITHDRAWALS IN MONTANA

Month of August, 1969

Field	M. Cu. Ft.
Bears Den	0
Bell Creek	824,251
Big Coulee	26,692
Blackjack	22,447
Bowdoin	46,732
Bowes	28,747
Cabin Creek	113,273
Cedar Creek	58,169
Cut Bank (Including Reagan)	521,572
Devon	0
Dry Creek	10,181
Elk Basin	91,265
Flat Coulee	7,524
Gold Butte	4,857
Golden Dome	0
Grandview	20,499
Hardin	3,124
Keith Block	123,737
Kevin Sunburst	26,681
Lake Basin	95,944
Middle Butte	2,445
Mt. Lilly	0
Pine	67,588
Plevna	2,595
Squaw Coulee	73,006
Tiger Ridge	27,389
Utopia	0
Whitlash	79,960
Miscellaneous	232,829
TOTAL	2,511,507

Total withdrawals for August, 1968 were 1,745,442

PRODUCERS REPORT—MONTH OF AUGUST, 1969

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	350	2,467	----	2,442	----	375
2	Bannatyne	2	828	592	592	----	----	828
1	Bascom	1	494	48	370	----	5	167
5	Bear's Den	6	1,930	1,043	----	1,241	----	1,732
85	Bell Creek	378	69,722	1,124,238	1,128,322	----	3,415	62,223
1	Benrud	1	478	579	438	----	----	619
2	Benrud East	2	1,468	16,024	16,479	----	----	1,013
1	Benrud Northeast	1	799	3,727	3,247	----	----	1,279
1	Berthelote	1	689	408	408	----	----	689
7	Big Wall	20	1,536	14,084	13,815	----	----	1,805
4	Blackfoot	6	1,620	2,829	1,045	2,404	----	1,000
6	Border	6	----	2,178	----	1,633	----	545
1	Bowes	57	2,973	13,801	13,751	----	----	3,023
1	Bradley	1	600	668	823	----	----	445
1	Brady	1	297	198	185	----	----	310
4	Brorson-Madison	4	1,445	5,278	5,102	----	----	1,621
6	Brorson-Red River	6	2,259	43,242	----	41,546	500	3,455
3	Brorson-Red River South	3	4,702	20,366	----	21,964	----	3,104
2	Cabin Creek	97	----	309,130	309,130	----	----	----
11	Cat Creek	62	3,495	14,302	13,424	1,237	----	3,136
1	Clark's Fork	1	18	155	----	----	----	173
2	Conrad	2	662	783	783	----	----	662
1	Cow Creek	1	331	3,171	3,322	----	----	180
1	Cupton	1	1,156	1,480	----	1,168	----	1,468
130	Cut Bank	793	65,425	428,142	426,038	1,011	18	66,500
2	Deer Creek	3	1,108	2,659	2,177	----	----	1,590
1	Delphia	1	579	347	----	206	----	720
---	Devil's Basin	----	688	----	----	----	----	688
1	Dwyer	15	5,353	19,889	19,978	----	----	5,264
4	Elk Basin	56	1,927	201,262	201,623	----	----	1,566
5	Elk Basin Northwest	14	8,369	10,171	9,663	----	----	8,877
8	Fairview	9	9,284	63,976	65,346	----	----	7,914
2	Fertile Prairie	2	861	1,553	1,573	----	----	841
9	Flat Coulee	27	5,172	12,519	1,130	11,328	----	5,233
40	Flat Lake	56	5,840	68,024	66,861	----	----	7,003
2	Flat Lake South	2	1,168	6,349	6,692	----	----	825
2	Frannie	2	----	1,060	1,060	----	----	----
22	Fred & George Creek	43	3,105	52,372	52,468	----	----	3,009
1	Gage	1	87	272	----	190	----	169
---	Gage Southwest	----	30	----	----	----	----	30
3	Gas City	22	6,628	29,279	30,243	----	----	5,664
11	Glendive	14	2,027	30,522	25,223	4,821	----	2,505
25	Goose Lake	33	6,128	52,234	52,205	----	----	6,157
8	Graben Coulee	19	3,433	4,921	3,995	1,609	----	2,750
---	Grandview	----	528	----	----	----	----	528
---	Gypsy Basin	----	833	----	----	----	----	833
2	Hay Creek	2	337	20,138	20,016	----	----	459
7	Hiawatha	7	4,776	15,223	14,553	----	----	5,446
1	Hibbard	1	353	265	----	----	----	618
1	Injun Creek	1	726	34	----	----	----	760
6	Ivanhoe	11	2,334	7,921	8,208	----	----	2,047
6	Keg Coulee	23	3,839	9,029	8,969	----	----	3,899
2	Keg Coulee North	2	474	821	922	----	----	373
1	Kelley	5	902	7,397	7,196	----	----	1,103
91	Kevin Sunburst	477	13,822	28,916	26,085	2,649	----	14,004
8	Laird Creek	11	350	8,439	----	8,364	----	425
2	Leary	2	2,748	4,401	----	4,254	223	2,672
1	Little Beaver	26	----	21,977	21,977	----	----	----
2	Little Beaver East*	14	2,165	17,600	17,243	----	----	2,522
2	Lodge Grass	2	1,245	2,071	----	2,822	----	494
3	Lookout Butte (Coral Creek)	34	762	69,442	69,792	----	----	412
---	Mackay Dome	----	1,139	----	----	----	----	1,139
2	Mason Lake	2	434	646	315	----	----	765
3	Melstone	5	1,545	2,190	1,755	824	----	1,156
1	Mineral Bench	1	842	677	867	----	----	652
1	Miner's Coulee	2	107	757	----	757	----	107
11	Monarch	16	4,139	20,918	20,887	----	----	4,170
2	Mosser	2	----	310	----	310	----	----
6	Outlook	10	3,408	22,316	20,559	----	----	5,165
1	Outlook South	1	1,117	2,827	3,249	----	----	695
1	Outlook West	1	971	1,093	1,488	----	----	576
3	Pennel-Lookout Butte	114	9,440	133,802	133,744	----	----	9,498
4	Pine	115	17,370	311,345	311,691	----	----	17,024
1	Pole Creek	1	650	1,859	----	2,195	----	314
65	Pondera	275	8,218	25,099	25,937	----	----	7,380
5	Poplar	68	9,695	61,468	61,204	----	463	9,496
5	Poplar Northwest	5	968	4,837	3,848	----	----	1,957
1	Prairie Elk	1	1,224	716	1,277	----	----	663
4	Ragged Point	12	4,580	8,344	10,499	----	----	2,425
2	Rattlesnake Coulee	2	1,193	1,113	1,721	----	----	585
2	Reagan	47	664	24,914	25,028	----	----	550
1	Red Creek	25	----	21,061	20,856	205	----	----
1	Red Fox	1	383	5,635	5,553	----	----	465
2	Redstone	2	794	5,000	4,850	----	----	944
1	Repeat	1	661	1,455	----	1,518	----	598
4	Reserve	4	193	17,194	----	17,194	----	193
1	Richey	1	363	503	649	----	----	217
1	Richey Southwest	6	1,250	4,433	4,514	----	----	1,169
1	Rush Mountain	1	691	4,051	----	4,460	----	282
6	Sand Creek	8	3,122	11,936	11,340	----	----	3,718
1	Shotgun Creek	1	356	818	----	671	----	503
1	Sidney	1	888	175	----	183	----	880
1	Snyder	1	279	755	----	205	----	829
8	Soap Creek	19	3,224	4,876	----	5,170	9	2,921
1	Spring Lake	1	2,540	2,286	----	2,507	----	2,319
1	Stensvad	12	1,904	12,521	11,688	----	----	2,737
24	Sumatra	81	10,736	52,666	53,149	----	----	10,253
5	Tule Creek	6	2,659	36,041	----	36,438	----	2,262
2	Tule Creek East	2	485	15,075	----	14,858	----	702
2	Tule Creek South	3	1,385	6,660	----	5,837	68	2,140
2	Vida	2	409	1,201	869	----	----	741
5	Volt	5	2,502	15,103	15,031	----	----	2,574
3	Weed Creek	3	902	13,725	13,722	----	26	879
4	Weldon	11	1,977	41,425	41,958	----	----	1,444
1	West Butte	1	----	3,468	----	3,468	----	----
17	Whitlash	45	8,544	14,139	13,800	----	----	8,883
1	Whitlash West	1	551	310	207	----	----	654
3	Wills Creek South	3	350	3,634	3,740	----	----	244
6	Wolf Springs	8	2,717	4,870	4,205	----	----	3,382
3	Woodrow	3	188	2,659	2,245	----	----	602
---	Wildcat, Blaine Cty	----	577	----	----	----	----	577
---	Wildcat, Carbon Cty	----	723	----	----	----	----	723
1	Wildcat, Fallon Cty	1	----	250	----	171	----	79
2	Wildcat, Glacier Cty	5	2,126	1,315	2,038	----	6	1,397
1	Wildcat, Liberty Cty	1	384	124	----	411	----	97
1	Wildcat, Powder River Cty	1	690	625	----	943	----	372
2	Wildcat, Richland Cty	2	1,136	4,733	----	4,720	----	1,149
3	Wildcat, Roosevelt Cty	3	2,285	15,675	----	15,502	----	2,458
1	Wildcat, Sheridan Cty	1	799	364	----	----	----	1,163
1	Wildcat, Stillwater Cty	1	1,282	653	517	----	----	1,418
2	Wildcat, Toole Cty	2	----	1,427	1,427	----	----	----
1	Wildcat, Wibaux Cty	1	140	850	----	850	----	140
807	Total	3,349	389,157	3,734,938	3,508,899	230,286	4,733	380,177

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls Shipped	Daily Average
Year, 1968	48,460,579	132,406	48,370,779	132,161
First Quarter, 1969	11,151,766	123,908	11,176,241	124,180
Second Quarter, 1969	11,081,285	121,772	11,072,056	121,671
July, 1969	3,810,099	122,906	3,822,276	123,299
August, 1969	3,734,938	120,482	3,739,185	120,619

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total oil In Storage‡
December, 1968	448,662	1,346,295	813,963	2,608,920
March, 1969	411,717	1,346,785	981,174	2,739,676
June, 1969	406,318	1,460,308	1,100,279	2,966,905
July, 1969	389,157	1,422,638	1,224,555	3,036,150
August, 1969	380,177	1,242,471	938,271	2,560,919

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF AUGUST, 1969

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,442				2,442		
BEAR'S DEN—Truck			1,241				1,241		
BELL CREEK—Pipelines		1,128,322					518,613	609,709	
BIG WALL— Continental Pipeline Co.		13,815				13,815			
BLACKFOOT— Camerland Cardinal Corp.			2,404					2,404	
BORDER—Truck			1,633					1,633	
BOWES—Texaco Inc.		13,751				13,751			
BRORSON-MADISON—Pipelines		5,102						5,102	
BRORSON-RED RIVER & BRORSON-RED RIVER SOUTH— Rock Island Oil & Ref. Co.			63,510				63,510		
CABIN CREEK & OTHERS* Butte Pipeline Co.	358,530	902,043	7,507	1,160,359			2,072,351		356,088
Shell Pipeline Co.	5,043	221,817			(2,388)			224,934	4,314
	363,573	1,123,860	7,507	1,160,359	(2,388)		2,072,351	224,934	360,402
CAT CREEK— Continental Pipeline Co.		13,424				13,424			
Truck			1,237			1,237			
		13,424	1,237			14,661			
COW CREEK— Western Crude Oil, Inc.		3,322					3,322		
CUT BANK— Continental Pipeline Co.			18,063	325,963				344,026	
Phillips Petroleum Co.	77,910	63,403		14,947	2,693	117,266			36,301
Texas Pipeline Co.	29,241	96,806		37,204	758			144,383	18,110
Union Oil Co.	96,654	86,614		34,581	950	115,123			101,776
Western Oil Trans. Co.		47,312						47,312	
Western Oil Trans. (Moulton)		78,781						78,781	
	203,805	372,916	18,063	412,695	4,401	232,389		614,502	156,187
DELPHIA—Truck			206			206			
DWYER—Portal Pipeline Co.		19,574					19,574		
ELK BASIN & ELK BASIN NORTHWEST— Marathon Pipeline Co.		210,371				210,371			
FAIRVIEW—Fairview Pipeline Co.		65,346					65,346		
FLAT COULEE— Camerland Cardinal Corp.			11,328					11,328	
FLAT LAKE & FLAT LAKE SOUTH— Portal Pipeline Co.		63,873					63,873		
FRANNIE—Interstate Pipeline Co.		1,060					1,060		
FRED & GEORGE CREEK— Camerland Cardinal Corp.	8,409	56,004				48,221		8,748	7,444
GAGE & GAGE SOUTHWEST— Truck			190			190			
GLENDIVE, DEER CREEK WOODROW & SAND CREEK— Texas Pipeline Co.	6,998	35,193			665			32,489	9,037
GOOSE LAKE— Portal Pipeline Co.		47,550					47,550		
HAY CREEK— Fairview Pipeline Co.		20,016					20,016		
HIAWATHA— Continental Pipeline Co.		14,553					14,553		
IVANHOE— Continental Pipeline Co.		8,208				8,208			
KEG COULEE & KEG COULEE NORTH— Continental Pipeline Co.		9,114				9,114			
KELLEY— Continental Pipeline Co.		7,196				7,196			
KEVIN SUNBURST— Big West Oil Co.	4,014	19,230				20,413			2,831
Homestake Oil & Gas Co.	760	2,822				2,693			889
Texas Pipeline Co.	7,092	10,143		4,865	(43)			13,170	8,973
	11,866	32,195		4,865	(43)	23,106		13,170	12,693
LEARY—Truck			4,254				4,254		
LODGE GRASS—Truck			2,822			2,822			
MASON LAKE— Continental Pipeline Co.		315				315			
MELSTONE—Truck			824					824	
Continental Pipeline Co.		1,755				1,755			
		1,755	824			1,755		824	
MOSSER—Truck			310				310		
OUTLOOK, OUTLOOK SOUTH & OUTLOOK WEST— Portal Pipeline Co.		25,295						25,295	
POLE CREEK—Truck			2,195				2,195		
PONDERA—Phillips Petr. Co.	46,953	27,263			1,195	43,761			29,260
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT— East Poplar Gathering System	12,696	118,607			128			115,221†	15,954
RAGGED POINT— Continental Pipeline Co.		6,995				6,995			
RED CREEK— Western Oil Transportation Co.		24,275						24,275	
RESERVE—Truck			17,194				17,194		
RUSH MOUNTAIN— Sinclair Refining Co.			4,460				4,460		
SHOTGUN CREEK—Truck			671				671		
SIDNEY—Truck			183					183	
SNYDER—Truck			205			205			
SOAP CREEK—Truck			5,170					5,170	
SPRING LAKE— Rock Island Oil & Ref. Co.			2,507					2,507	
SUMATRA & STENSVAD— Continental Pipeline Co.	758,707	62,170		910,500	(16,326)	43,037		1,066,112	638,554
TULE CREEK— Tesero Petr. Corp.	9,631		57,133			53,824			12,940
WEED CREEK— Continental Pipeline Co.		13,722				13,722			
WHITLASH & WHITLASH WEST— Camerland Cardinal Corp.		15,679				14,947		732	
WOLF SPRINGS— Continental Pipeline Co.		4,205				4,205			
WILDCAT WELLS—Truck			22,597				22,597		
TOTALS	1,422,638	3,565,046	230,286	2,488,419	(12,368)	766,816	2,945,132	2,764,338	1,242,471

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

†Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF AUGUST, 1969

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		13,815								13,815
Cat Creek		1,107		916		147				2,170
Cut Bank	51,372						67,969		113,048	232,389
Delphia						18				18
Elk Basin		82,336		57,228	70,807					210,371
Flat Coulee									11,328	11,328
Fred & George Creek	48,221									48,221
Gage & Gage S. W.						25				25
Hibbard						6				6
Ivanhoe		8,208								8,208
Keg Coulee		2,008		7,106						9,114
Kelley					7,196					7,196
Kevin Sunburst	23,106									23,106
Lodge Grass		2,822								2,822
Mason Lake		315								315
Melstone				1,755						1,755
Pondera							43,761			43,761
Ragged Point				6,995						6,995
Sand Creek						19				19
Snyder		205								205
Sumatra & Stensvad		15,407		16,336	11,294					43,037
Tule Creek								75,866		75,866
Weed Creek					13,722					13,722
Whitlash							14,947			14,947
Wolf Springs					4,205					4,205
Total Montana Oil	122,699	126,223		90,336	107,224	215	126,677	75,866	124,376	773,616
Canadian Oil Imported		316,511			7,861					324,372
Wyoming Oil Imported		762,943		668,107	1,217,761					2,648,811
Total Montana, Canadian, and Wyoming Oil	122,699	1,205,677		758,443	1,332,846	215	126,677	75,866	124,376	3,746,799

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1968	26,482	21,007	64,842	112,331
August, 1968	31,396	26,960	69,744	128,100
August, 1969	24,955	10,463	85,446	120,864

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
23.57%	18.70%	57.73%
24.51%	21.05%	54.44%
20.65%	8.66%	70.69%